

**A novel peptide---olfactory receptor 27.61 and the polynucleotide encoding this novel peptide**

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The invention disclosed a novel peptide— Olfactory receptor 27.61, polynucleotide coding this peptide and the method producing this peptide by DNA recombination techniques. This invention also disclosed the therapeutical methods with this peptide for several diseases, such as hyposmia, anosmia, hyperosmia, hard-nosed, et al. This invention also disclosed an antagonist against this peptide and it's therapeutical effect. The invention also disclosed the use of this polynucleotide coding the novel olfactory receptor 27.61.

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